



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examinations (December 2019)

School: School of Engineering

Program: B.Tech Biomedical Engineering

Course: Biomedical Instrumentation-I

Course Code: BME302

Semester: V

Max Marks: 40

Duration (mins) : 90

PART-A

Answer All questions.

(Each question carries 2 marks)

Q 1. Write Short notes.

[10]

- a) Beer- Lambert's Law
- b) Parallel-plate dialyzer
- c) Ventricular fibrillation
- d) Heart sound
- e) Haemodialysis

PART-B

Answer any SIX questions.

(Each question carries 5 marks)

[30]

- Q 2.** Explain the design and working of modern ventilator.
- Q 3.** Explain working of drug delivery system with block diagram.
- Q 4.** Explain in-vivo methods of oximetry.
- Q 5.** Explain Biotelemetry.
- Q 6.** Explain the principle and working of Lithotripsy with diagram.
- Q 7.** Explain the procee of BP measurement.
- Q 8.** What is a pacemaker? Explain different types of implantable pacemakers.
